

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P525269

Luminaire Tested: **IFLD-L-SA8D-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525269
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

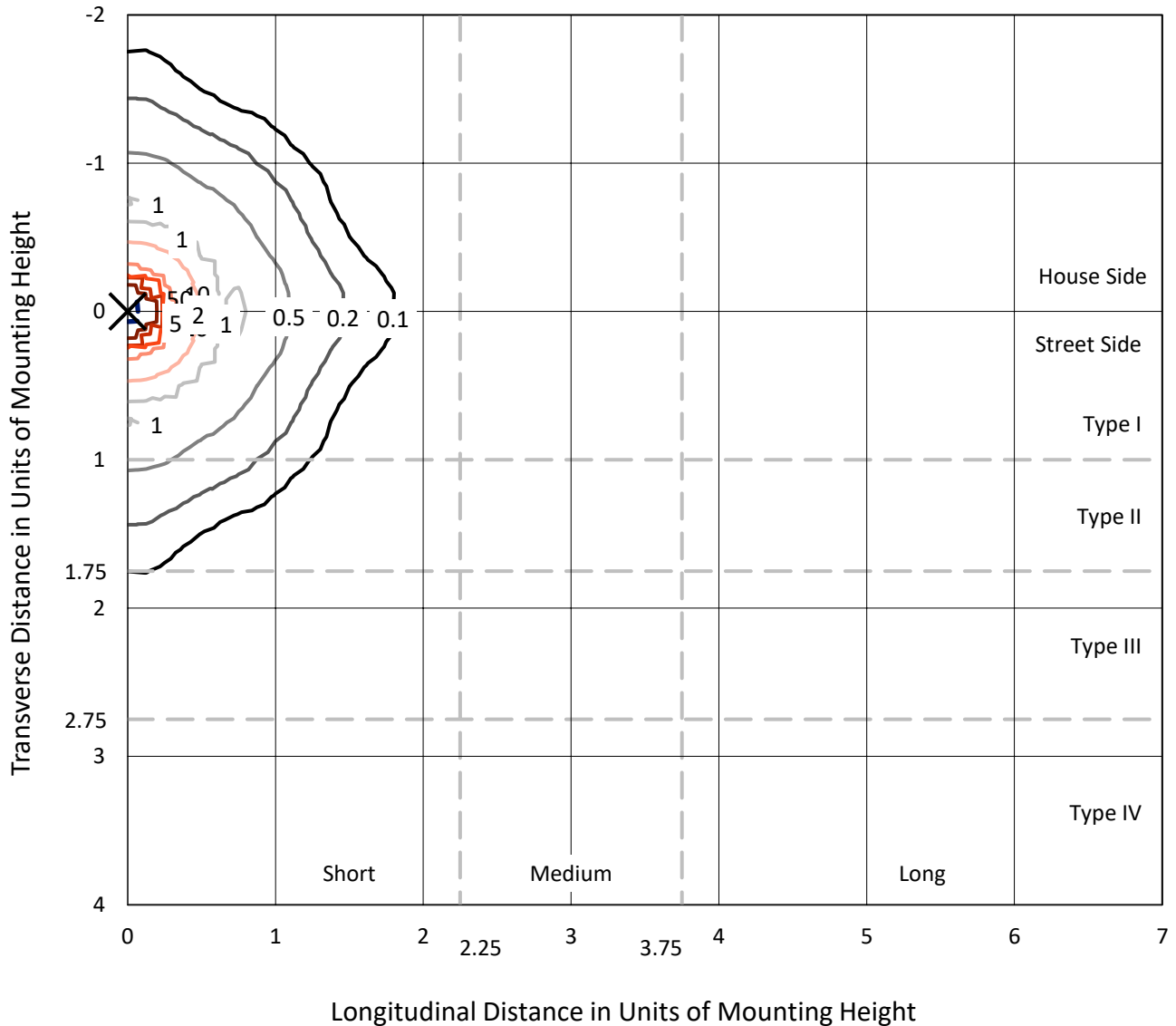
Lumens per Lamp: N/A
Luminaire Lumens: 20033.6 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

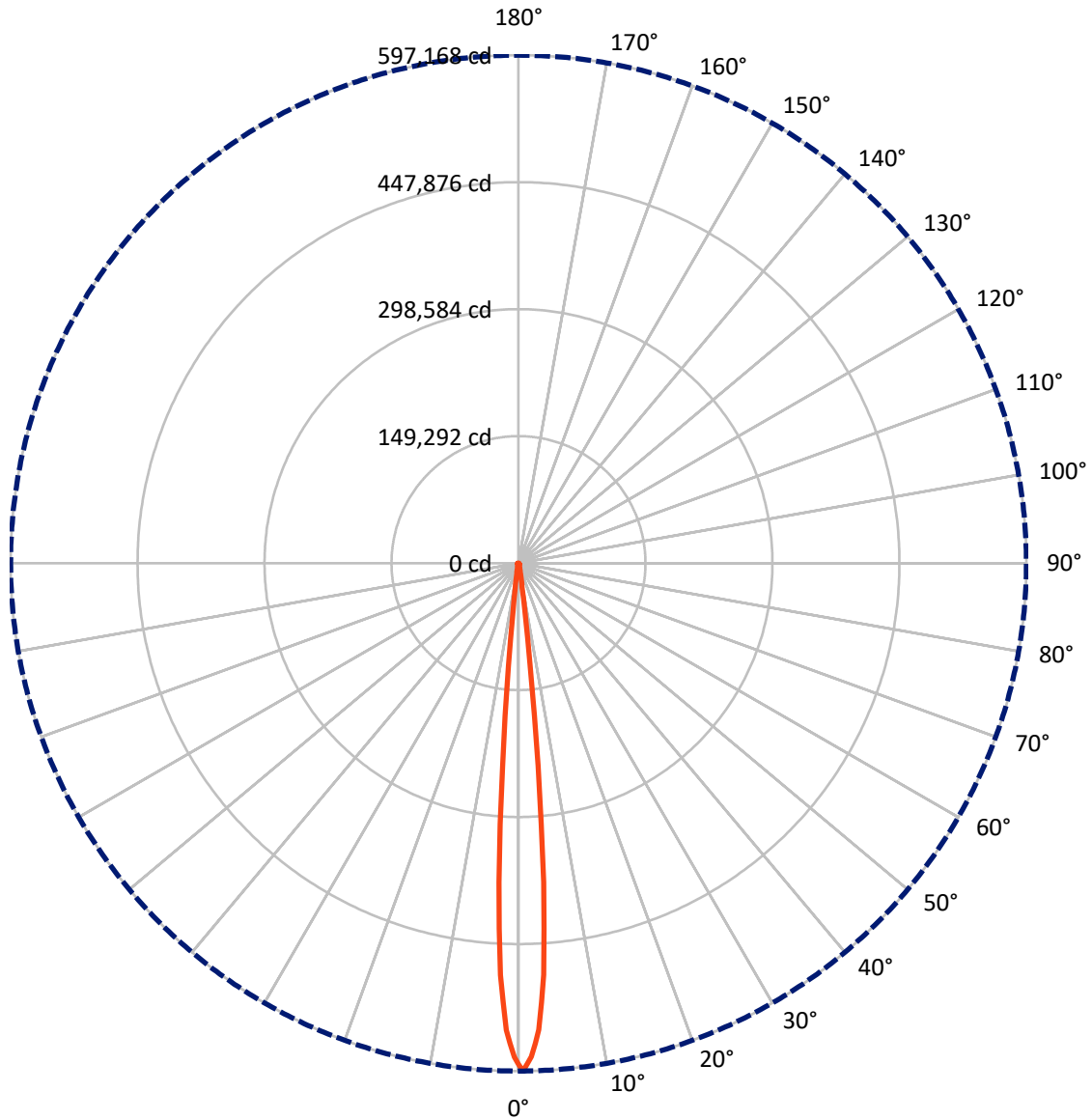
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 955.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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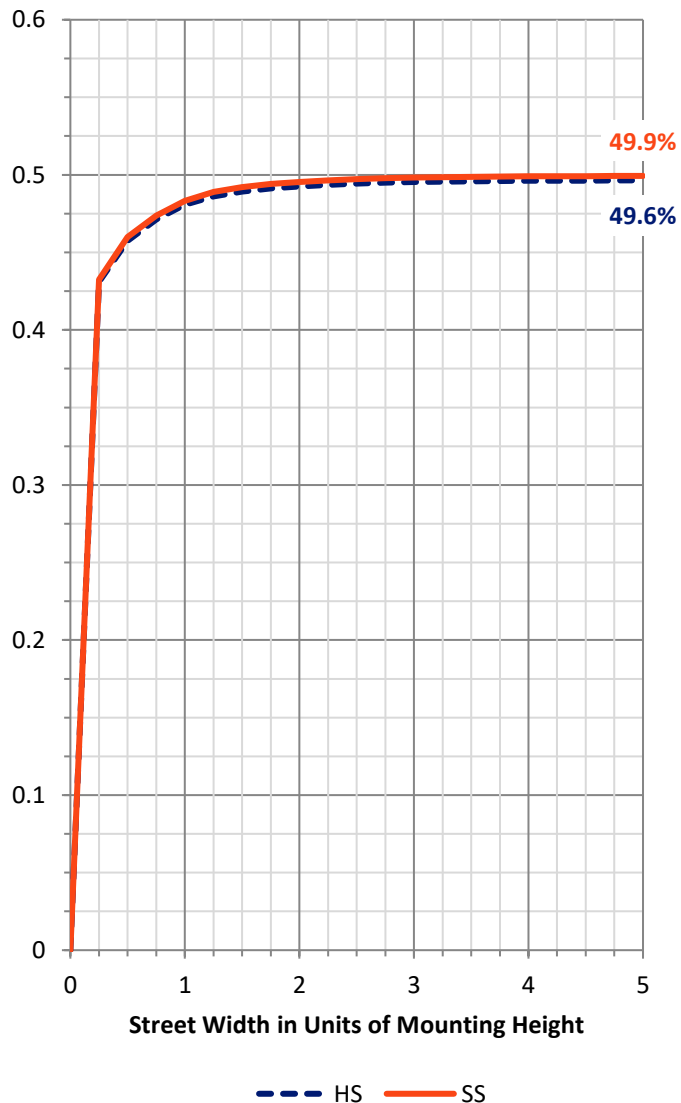
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10016.8	0.0	10016.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10016.8	0.0	10016.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	20033.6	0.0	20033.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15385.7	76.8
10°-20°	1500.7	7.5
20°-30°	801.7	4.0
30°-40°	661.2	3.3
40°-50°	736.3	3.7
50°-60°	495.1	2.5
60°-70°	315.9	1.6
70°-80°	124.7	0.6
80°-90°	12.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20033.6	100.0
0°-180°	20033.6	100.0

Coefficient of Utilization

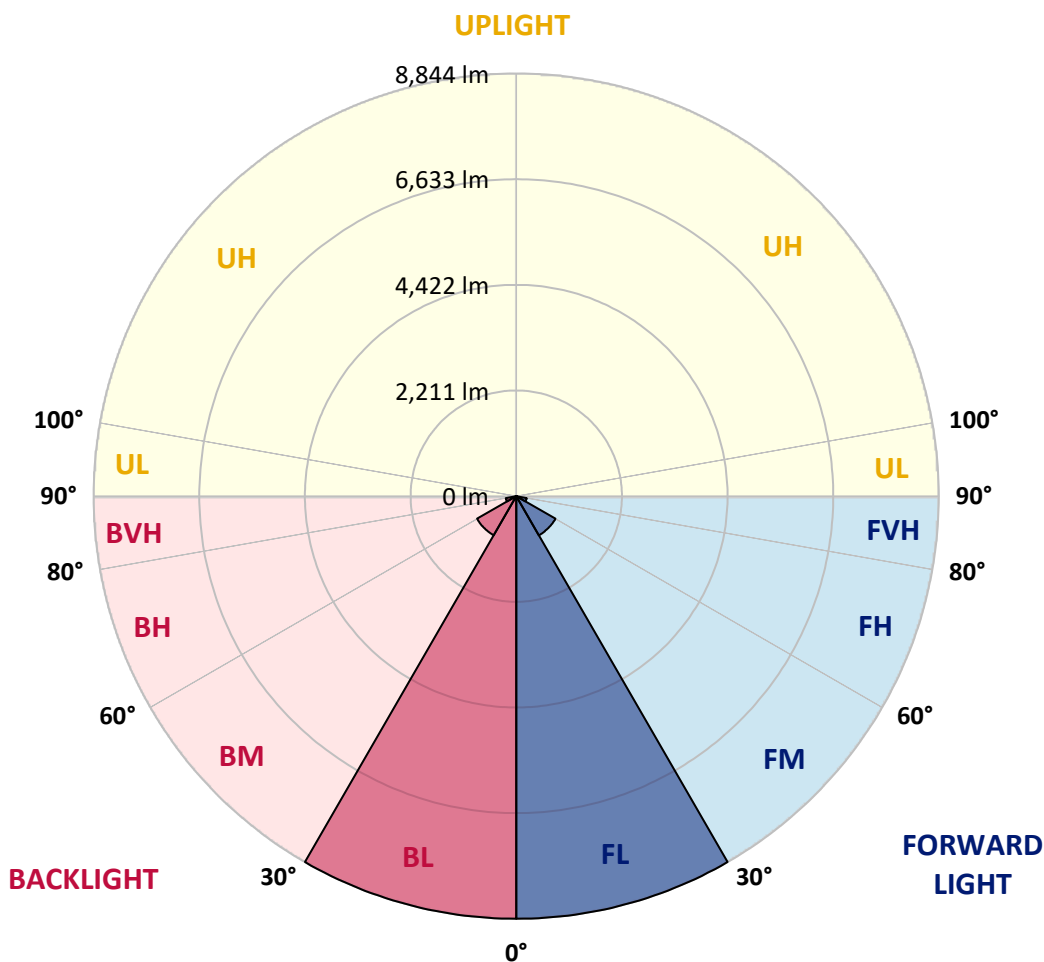


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8844.1	44.1			
FM (30°-60°)	946.3	4.7			
FH (60°-80°)	220.3	1.1			G0/660
FVH (80°-90°)	6.1	0.0			G0/10
BL (0°-30°)	8844.1	44.1	B5		
BM (30°-60°)	946.3	4.7	B1/1000		
BH (60°-80°)	220.3	1.1	B1/500		G0/660
BVH (80°-90°)	6.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	597168.1	597168.1	597168.1	597168.1	597168.1	597168.1	597168.1	597168.1	597168.1	597168.1
1°	580571.1	581580.8	581762.9	580560.7	577495.3	578218.7	578125.0	578286.4	577984.5	576069.3
2°	549136.3	550630.0	549058.2	545685.8	538701.4	537036.0	531472.4	525263.5	518653.9	512028.6
3°	484970.7	488114.2	485871.1	489472.6	475306.1	473874.9	462175.3	446749.3	431115.2	418447.6
4°	376015.7	381823.9	382594.2	394481.1	382844.0	386481.9	373116.9	351685.0	328296.2	310403.3
5°	239680.2	247778.3	252347.8	263495.7	268856.3	282814.6	276303.8	254793.9	227767.2	207183.6
6°	121102.2	125510.3	137787.6	150044.1	163731.7	182254.4	184762.9	165881.2	144371.2	124615.2
7°	56452.6	58274.1	66934.3	69547.0	85196.7	105291.1	108101.5	97749.8	86404.1	71092.7
8°	29170.9	29878.7	33043.0	34984.3	44112.9	55671.9	57644.4	51128.4	46486.1	38783.5
9°	17965.7	18278.0	19464.6	19901.8	23315.9	28457.9	29155.3	26428.2	25168.7	22509.2
10°	12459.4	12626.0	13182.9	13297.3	14437.1	16128.6	16191.0	15295.9	15316.7	14650.5
12.5°	6640.9	6692.9	6849.0	6864.7	7083.2	7260.2	7218.6	7223.8	7312.2	7223.8
15°	4246.8	4272.8	4366.5	4387.3	4501.8	4564.3	4533.1	4527.9	4559.1	4501.8
17.5°	3029.0	3044.6	3112.3	3169.5	3242.4	3263.2	3252.8	3242.4	3242.4	3190.3
20°	2362.8	2383.6	2430.5	2487.7	2524.2	2560.6	2565.8	2560.6	2545.0	2518.9
22.5°	2008.9	2019.3	2034.9	2061.0	2087.0	2102.6	2113.0	2118.2	2113.0	2102.6
25°	1748.7	1759.1	1790.3	1805.9	1805.9	1811.1	1832.0	1842.4	1847.6	1826.8
27.5°	1290.7	1316.7	1363.6	1389.6	1389.6	1400.0	1415.6	1436.4	1457.2	1420.8
30°	999.3	1020.1	1072.1	1072.1	1066.9	1077.3	1092.9	1124.2	1155.4	1113.8
32.5°	900.4	900.4	910.8	916.0	916.0	931.6	942.0	968.0	994.0	983.6
35°	942.0	916.0	884.8	884.8	895.2	926.4	931.6	957.6	983.6	1020.1
37.5°	1368.8	1290.7	1176.2	1155.4	1155.4	1191.8	1176.2	1191.8	1238.7	1374.0
40°	1243.9	1181.4	1113.8	1020.1	1020.1	1072.1	1035.7	1056.5	1165.8	1249.1
42.5°	1108.5	1108.5	1035.7	947.2	947.2	973.2	962.8	973.2	1098.1	1165.8
45°	1025.3	1025.3	1004.5	863.9	884.8	900.4	900.4	900.4	1066.9	1087.7
47.5°	978.4	978.4	926.4	796.3	822.3	827.5	837.9	827.5	957.6	1030.5
50°	874.3	884.8	796.3	702.6	733.8	733.8	749.4	728.6	827.5	947.2
52.5°	754.6	765.1	629.7	556.9	593.3	588.1	608.9	577.7	655.8	822.3
55°	671.4	666.2	520.4	452.8	494.4	489.2	499.6	463.2	530.9	707.8
57.5°	582.9	593.3	426.8	369.5	416.4	405.9	421.6	379.9	437.2	629.7
60°	515.2	530.9	364.3	312.3	359.1	348.7	364.3	317.5	374.7	567.3
62.5°	494.4	494.4	322.7	265.4	312.3	301.9	312.3	265.4	333.1	520.4
65°	588.1	556.9	291.4	218.6	265.4	255.0	265.4	218.6	291.4	499.6
67.5°	780.7	744.2	275.8	171.7	213.4	197.8	213.4	177.0	255.0	468.4
70°	405.9	432.0	275.8	135.3	161.3	161.3	156.1	135.3	213.4	343.5
72.5°	234.2	239.4	213.4	104.1	124.9	135.3	119.7	104.1	156.1	255.0
75°	130.1	145.7	135.3	78.1	93.7	104.1	88.5	78.1	109.3	182.2
77.5°	78.1	88.5	78.1	52.0	62.5	57.2	62.5	52.0	72.9	119.7
80°	41.6	41.6	41.6	31.2	31.2	36.4	36.4	31.2	41.6	62.5
82.5°	15.6	15.6	15.6	10.4	15.6	15.6	15.6	20.8	20.8	26.0
85°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
87.5°	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	5.2	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

- 597168.1
- 577958.5
- 515843.5
- 423251.3
- 314551.3
- 209822.3
- 126093.2
- 72945.5
- 39829.6
- 23086.9
- 14957.6
- 7322.7
- 4543.5
- 3205.9
- 2524.2
- 2107.8
- 1826.8
- 1415.6
- 1103.3
- 983.6
- 1040.9
- 1441.6
- 1327.1
- 1171.0
- 1082.5
- 1014.9
- 936.8
- 801.5
- 697.4
- 614.1
- 551.7
- 515.2
- 499.6
- 463.2
- 338.3
- 249.8
- 161.3
- 88.5
- 52.0
- 26.0
- 5.2
- 5.2
- 0.0

OF REPORT)