

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: McGRAW-EDISON

Report Number: P198123

Luminaire Tested: **TT-C4-LED-E1-RW-SG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34700)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C4-LED-E1-RW-SG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5405.5 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 58
Input Voltage (V): NR
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: 25 FT

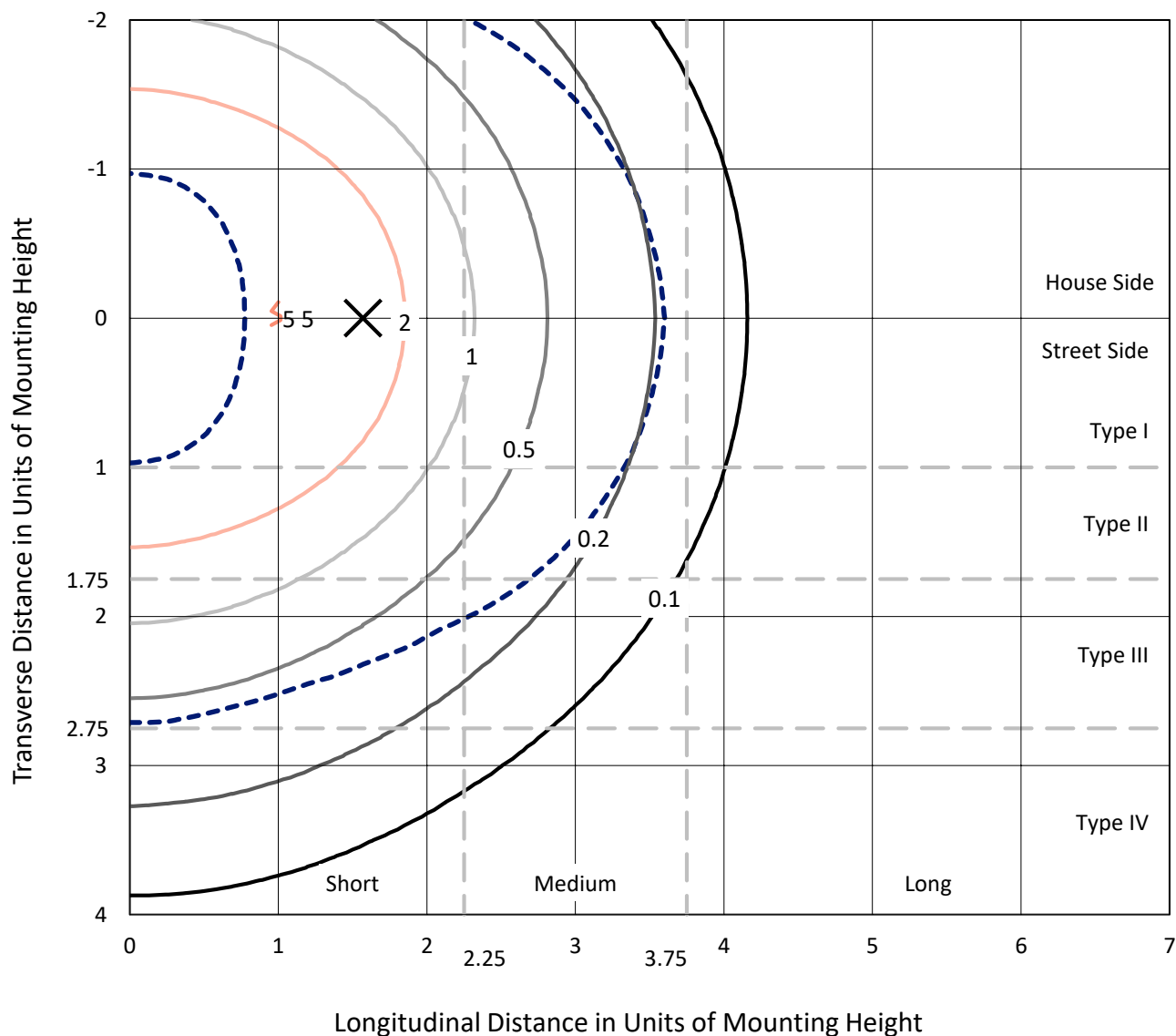


REPORT NUMBER: P198123

CATALOG NUMBER: TT-C4-LED-E1-RW-SG-MS/DIM-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

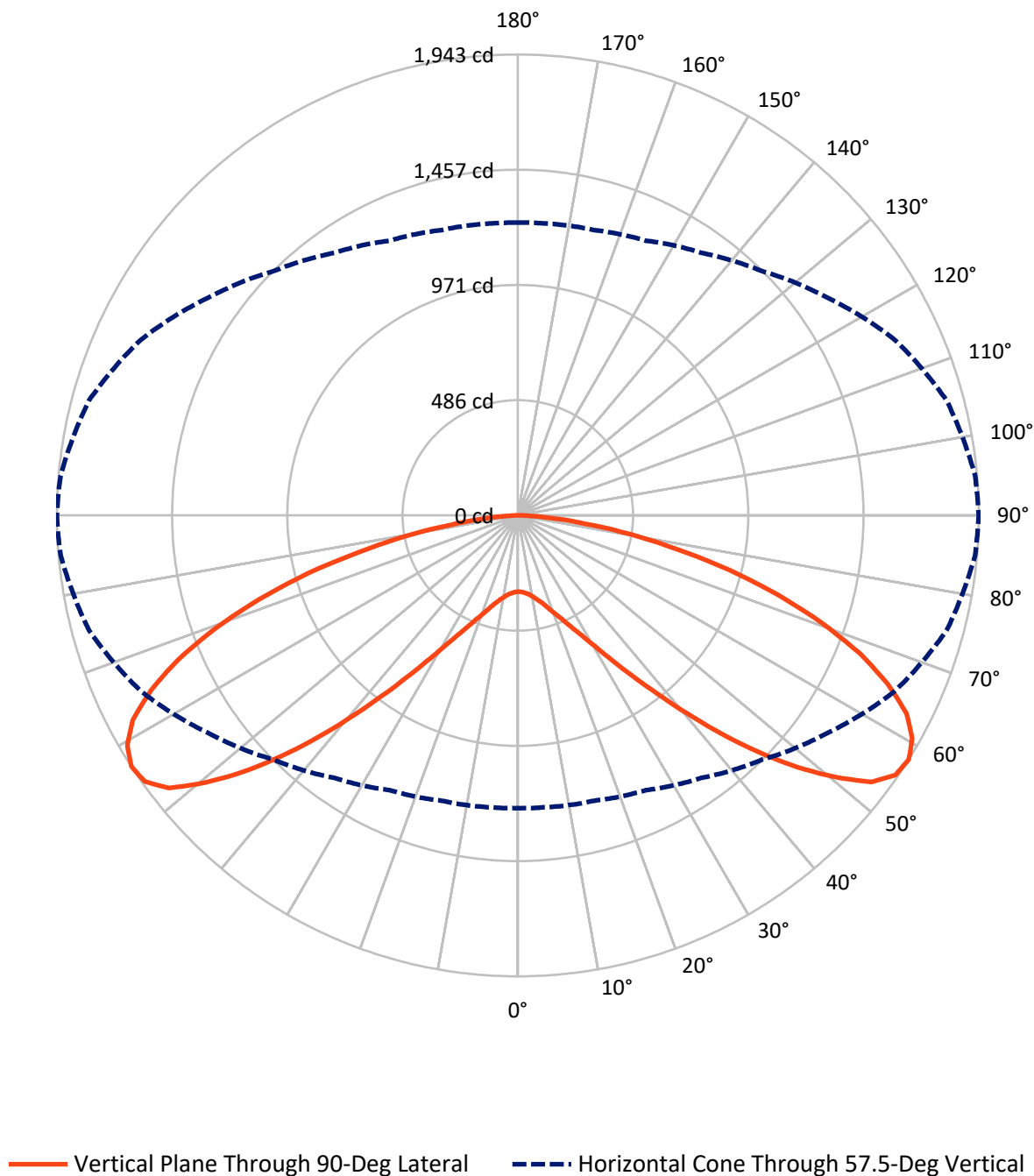


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P198123

CATALOG NUMBER: TT-C4-LED-E1-RW-SG-MS/DIM-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P198123

CATALOG NUMBER: TT-C4-LED-E1-RW-SG-MS/DIM-7050

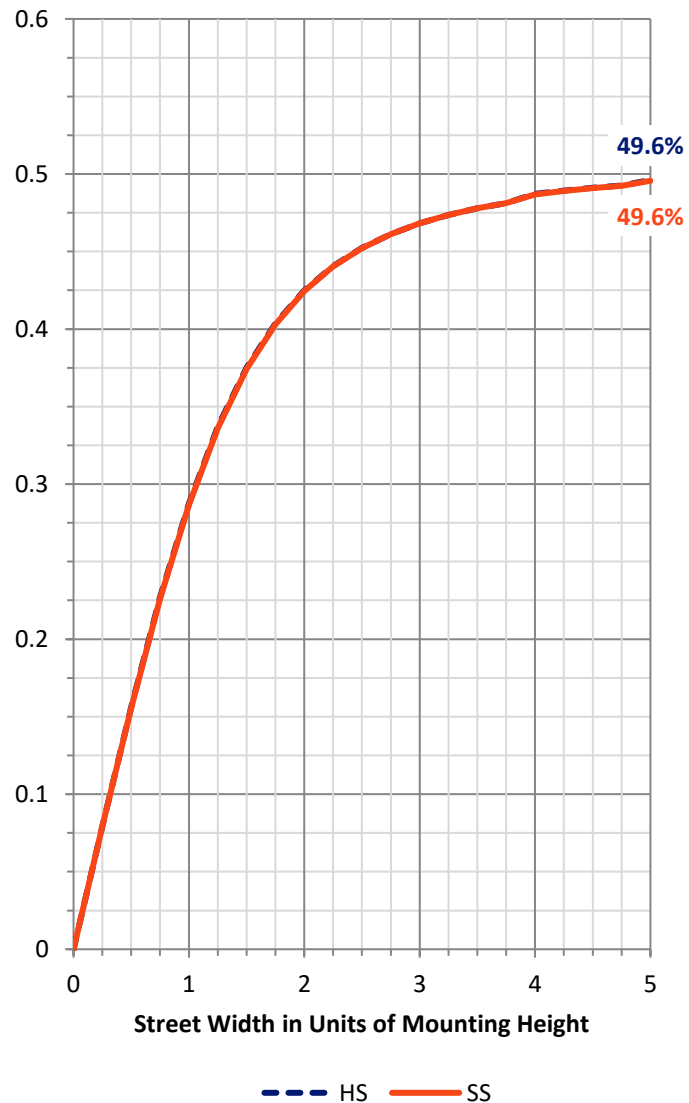
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2702.7	0.0	2702.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2702.7	0.0	2702.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5405.5	0.0	5405.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	0.6
10°-20°	110.4	2.0
20°-30°	240.8	4.5
30°-40°	483.3	8.9
40°-50°	902.6	16.7
50°-60°	1329.4	24.6
60°-70°	1339.2	24.8
70°-80°	799.5	14.8
80°-90°	168.4	3.1
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°	5405.5	100.0
0°-180°	5405.5	100.0

Coefficient of Utilization



REPORT NUMBER: P198123

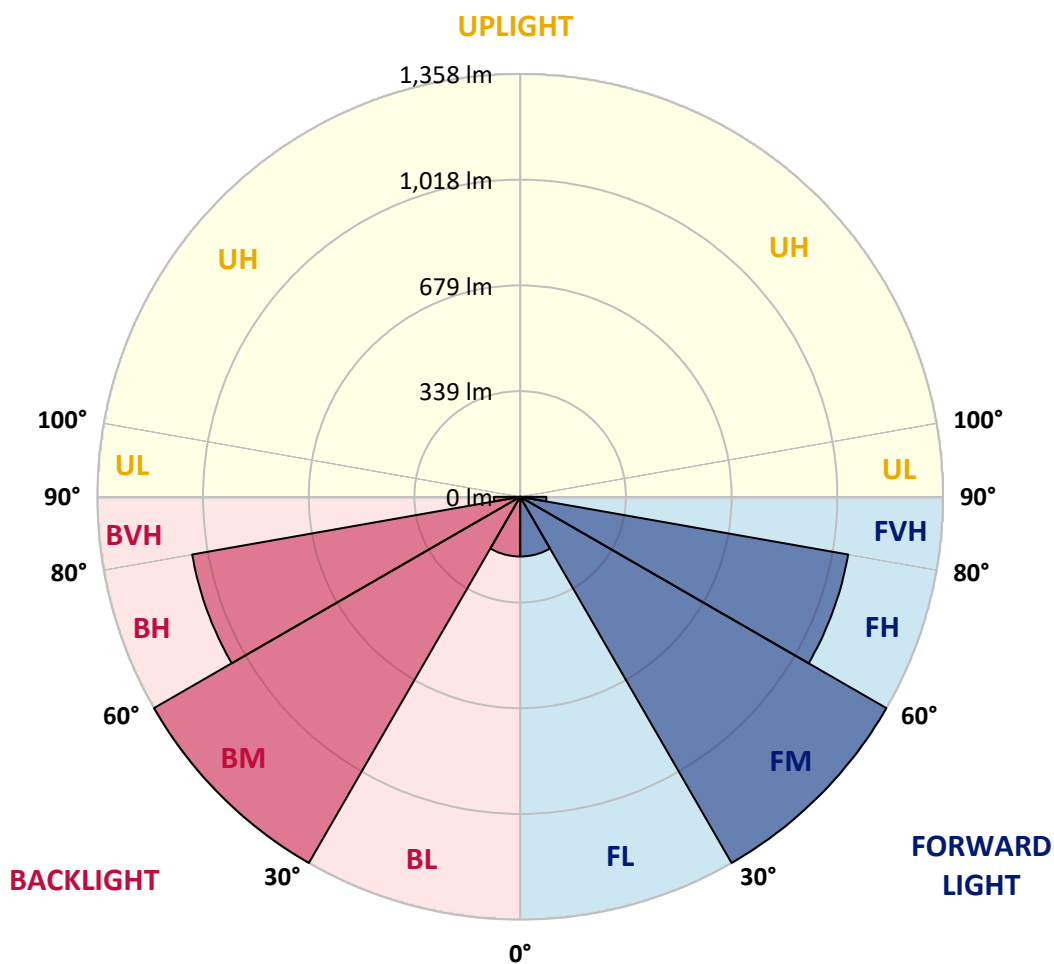
CATALOG NUMBER: TT-C4-LED-E1-RW-SG-MS/DIM-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.5	3.5			
FM	(30°-60°)	1357.6	25.1			
FH	(60°-80°)	1069.3	19.8			G1/1800
FVH	(80°-90°)	84.2	1.6			G1/100
BL	(0°-30°)	191.5	3.5	B1/500		
BM	(30°-60°)	1357.6	25.1	B2/2500		
BH	(60°-80°)	1069.3	19.8	B3/2500		G3/2500
BVH	(80°-90°)	84.2	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



REPORT NUMBER: P198123

CATALOG NUMBER: TT-C4-LED-E1-RW-SG-MS/DIM-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5
2.5°	323.8	323.8	323.8	323.8	323.8	322.6	323.8	322.6	322.6	322.6	322.6
5°	327.3	327.3	327.3	328.5	328.5	328.5	328.5	327.3	328.5	327.3	328.5
7.5°	335.5	335.5	335.5	335.5	335.5	335.5	336.7	335.5	336.7	335.5	335.5
10°	346.1	346.1	346.1	346.1	347.3	347.3	347.3	348.4	348.4	348.4	348.4
12.5°	361.3	361.3	361.3	361.3	361.3	361.3	362.5	362.5	363.7	363.7	363.7
15°	381.3	381.3	380.1	380.1	380.1	381.3	381.3	383.6	382.5	382.5	382.5
17.5°	405.9	404.8	404.8	404.8	404.8	404.8	404.8	407.1	407.1	407.1	408.3
20°	432.9	435.3	434.1	431.7	431.7	431.7	432.9	435.3	435.3	438.8	440.0
22.5°	470.5	471.6	469.3	468.1	464.6	464.6	468.1	469.3	474.0	472.8	474.0
25°	510.3	509.2	508.0	505.7	505.7	505.7	508.0	511.5	515.0	518.6	518.6
27.5°	554.9	553.8	552.6	551.4	549.1	552.6	554.9	563.1	565.5	573.7	571.4
30°	604.2	605.4	603.0	601.9	600.7	601.9	611.2	623.0	632.4	638.2	639.4
32.5°	659.3	660.5	659.3	657.0	659.3	665.2	676.9	692.2	711.0	721.5	725.0
35°	720.3	722.7	720.3	722.7	725.0	735.6	756.7	780.2	813.0	822.4	828.3
37.5°	786.0	783.7	782.5	786.0	796.6	818.9	848.2	889.3	923.3	951.5	951.5
40°	851.7	852.9	854.1	854.1	874.0	904.5	952.6	1007.8	1058.2	1094.6	1095.8
42.5°	922.1	922.1	922.1	932.7	957.3	1005.4	1067.6	1148.6	1217.8	1251.8	1256.5
45°	993.7	998.4	1000.7	1014.8	1051.2	1112.2	1194.3	1291.7	1379.7	1425.4	1423.1
47.5°	1064.1	1070.0	1074.7	1095.8	1145.0	1210.7	1312.8	1430.1	1529.9	1581.5	1586.2
50°	1136.8	1133.3	1142.7	1168.5	1223.7	1308.1	1417.2	1552.2	1666.0	1729.3	1734.0
52.5°	1184.9	1183.8	1193.1	1220.1	1284.7	1379.7	1505.2	1658.9	1782.1	1847.8	1866.6
55°	1219.0	1217.8	1228.3	1260.0	1330.4	1431.3	1567.4	1729.3	1853.7	1921.7	1931.1
57.5°	1234.2	1235.4	1244.8	1277.6	1350.4	1455.9	1596.7	1752.8	1871.3	1934.6	1942.8
60°	1231.9	1233.0	1241.3	1272.9	1344.5	1446.6	1582.7	1729.3	1841.9	1900.6	1910.0
62.5°	1207.2	1206.1	1213.1	1240.1	1303.4	1398.5	1528.7	1667.1	1773.9	1827.9	1838.4
65°	1155.6	1154.4	1154.4	1177.9	1231.9	1312.8	1436.0	1559.2	1658.9	1710.5	1712.9
67.5°	1071.1	1071.1	1068.8	1082.9	1122.8	1201.4	1307.0	1419.6	1500.5	1548.6	1555.7
70°	957.3	959.7	951.5	959.7	992.5	1054.7	1148.6	1238.9	1302.3	1357.4	1360.9
72.5°	833.0	823.6	820.1	822.4	847.1	886.9	967.9	1044.2	1102.8	1140.4	1147.4
75°	672.2	672.2	669.9	666.4	680.5	720.3	774.3	836.5	885.8	911.6	921.0
77.5°	515.0	519.7	512.7	512.7	523.2	553.8	600.7	634.7	669.9	687.5	682.8
80°	366.0	364.9	361.3	359.0	370.7	388.3	425.9	445.8	456.4	472.8	479.8
82.5°	226.4	228.8	232.3	221.7	226.4	242.9	262.8	273.4	278.0	285.1	283.9
85°	111.5	112.6	113.8	115.0	115.0	120.8	132.6	137.3	140.8	144.3	142.0
87.5°	41.1	38.7	37.5	37.5	37.5	38.7	44.6	43.4	45.8	45.8	48.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)