

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: P479656

Luminaire Tested: **IFLD-S-SA6D-730-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479656
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-730-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

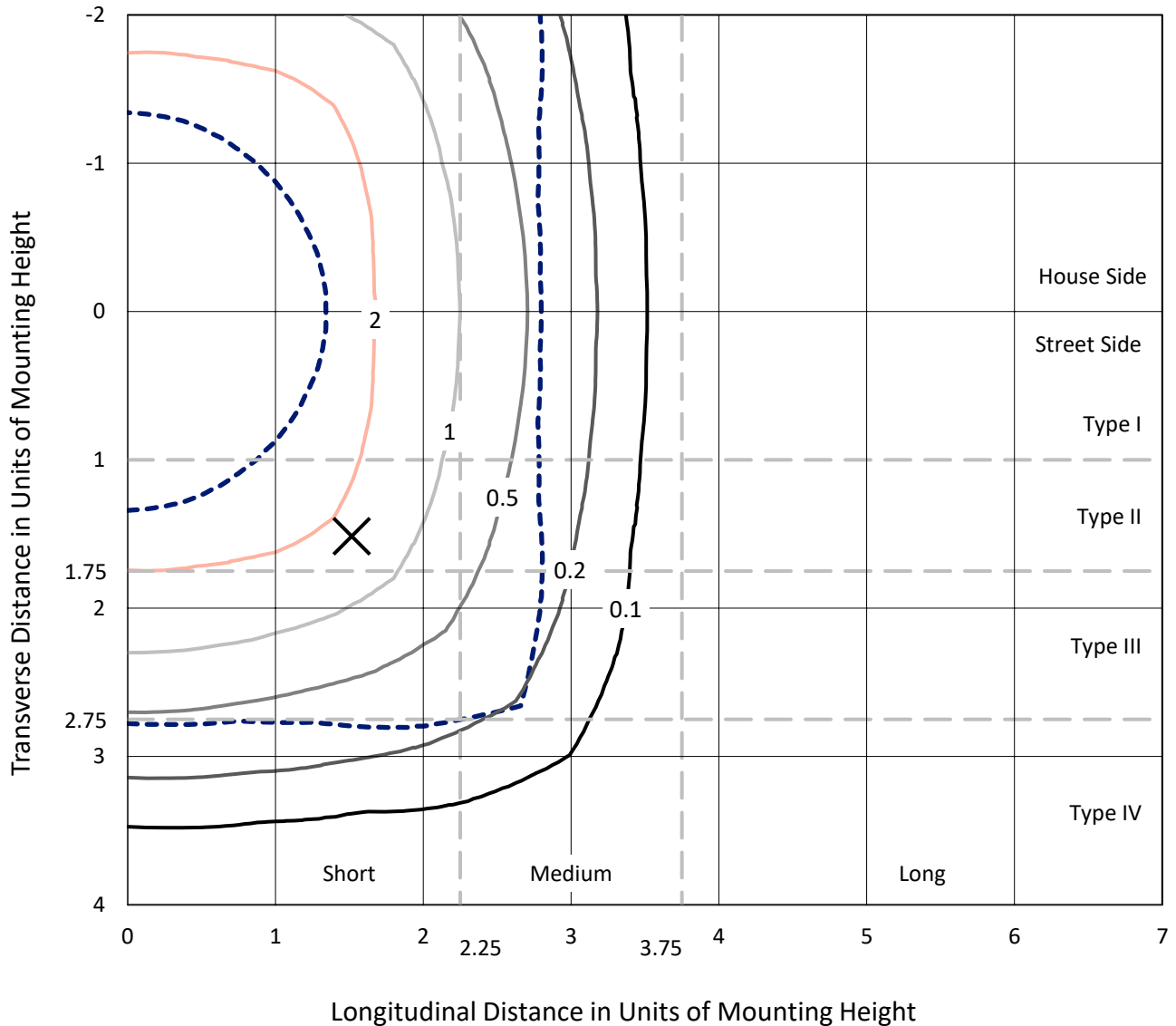
Lumens per Lamp: N/A
Luminaire Lumens: 42724.7 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 368.2
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

REPORT NUMBER: P479656
 CATALOG NUMBER: IFLD-S-SA6D-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

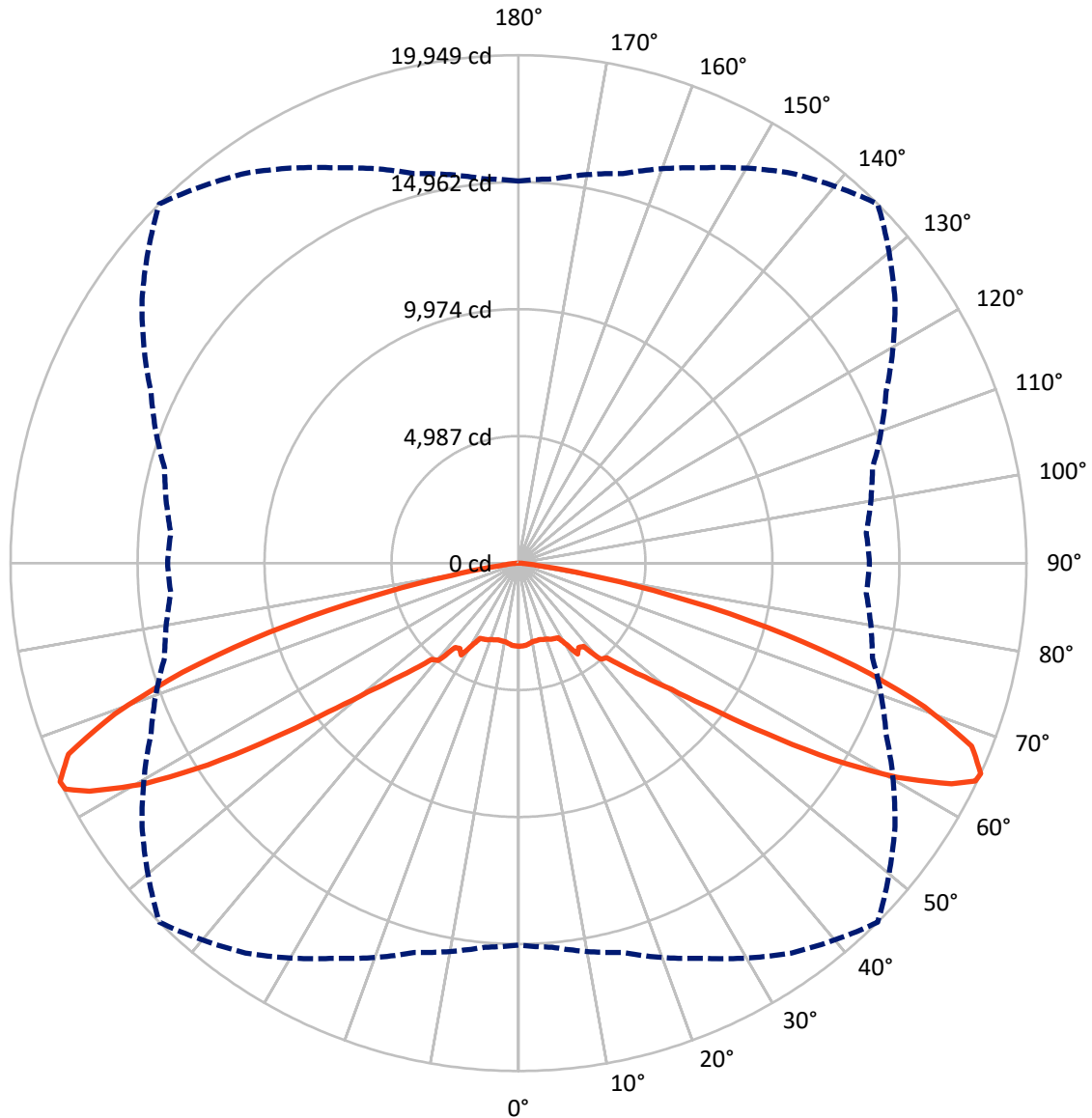
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

REPORT NUMBER: P479656
CATALOG NUMBER: IFLD-S-SA6D-730-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P479656
 CATALOG NUMBER: IFLD-S-SA6D-730-U-5WQ

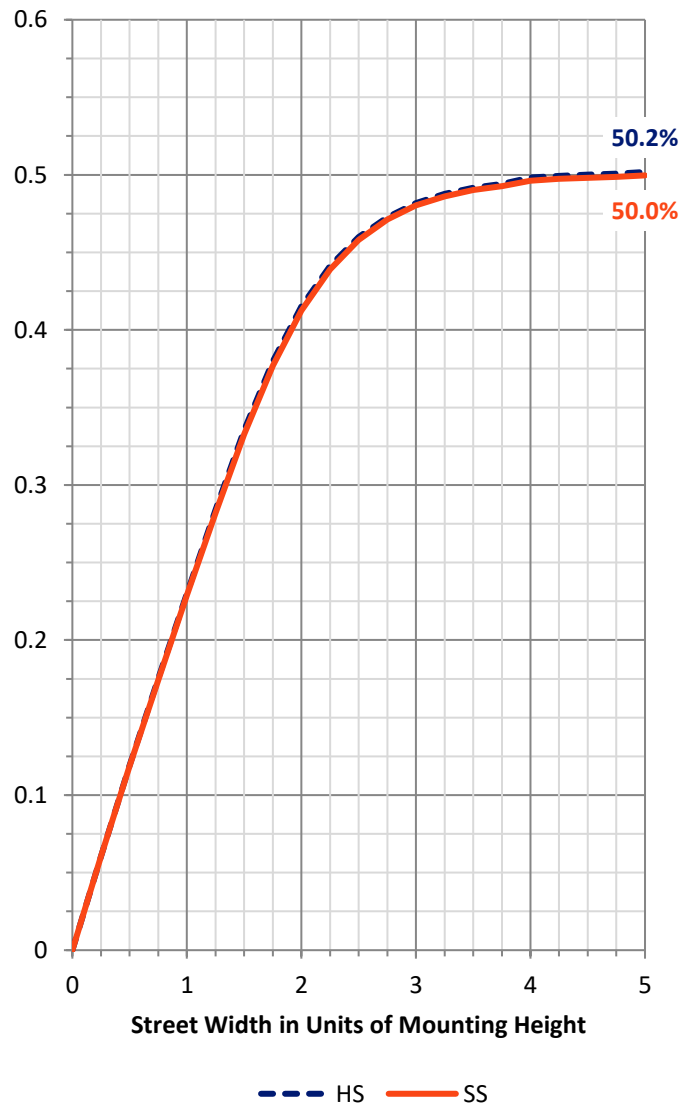
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21362.4	0.0	21362.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21362.4	0.0	21362.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	42724.7	0.0	42724.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.5	0.7
10°-20°	900.5	2.1
20°-30°	1558.6	3.6
30°-40°	2591.7	6.1
40°-50°	4675.8	10.9
50°-60°	10416.2	24.4
60°-70°	15523.5	36.3
70°-80°	6433.1	15.1
80°-90°	318.6	0.7
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°	42724.7	100.0
0°-180°	42724.7	100.0

Coefficient of Utilization



REPORT NUMBER: P479656

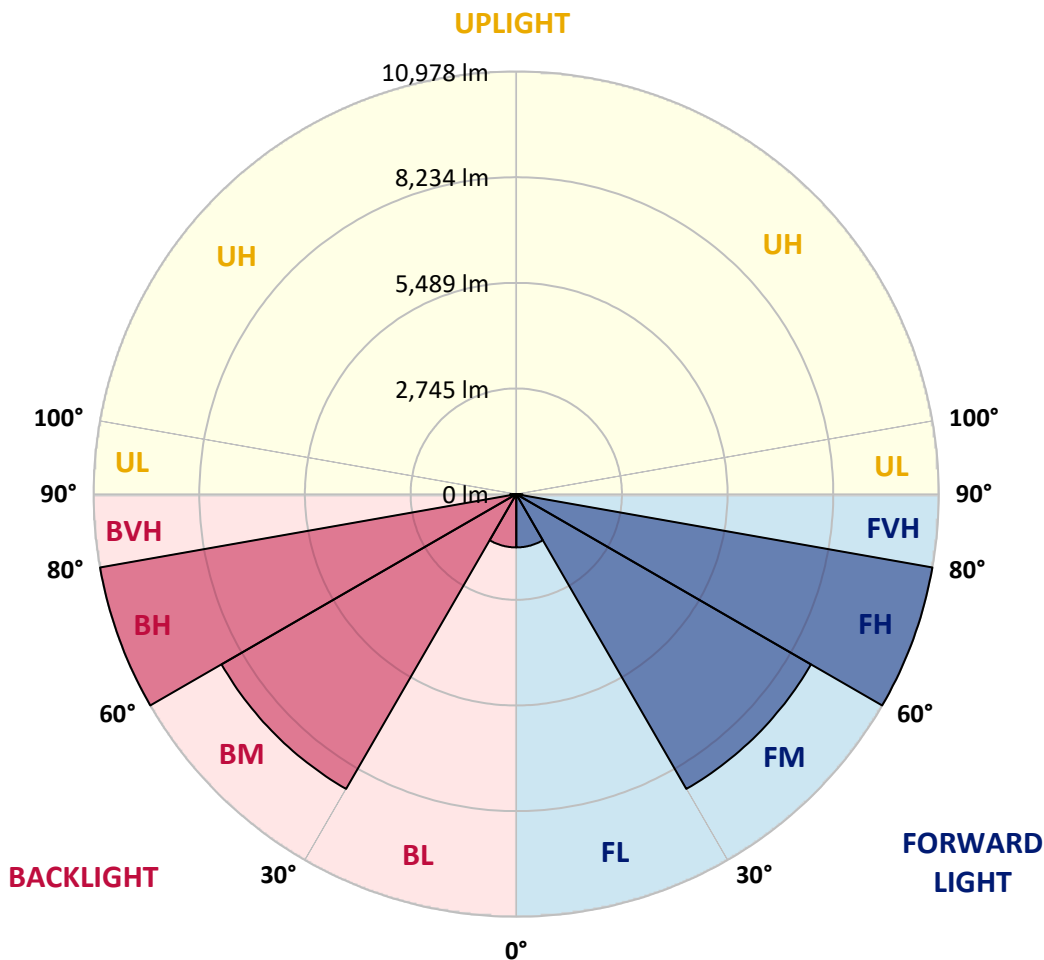
CATALOG NUMBER: IFLD-S-SA6D-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1382.8	3.2			
FM (30°-60°)	8841.9	20.7			
FH (60°-80°)	10978.3	25.7			G4/12000
FVH (80°-90°)	159.3	0.4			G2/225
BL (0°-30°)	1382.8	3.2	B3/2500		
BM (30°-60°)	8841.9	20.7	B5		
BH (60°-80°)	10978.3	25.7	B5		G4/12000
BVH (80°-90°)	159.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P479656

CATALOG NUMBER: IFLD-S-SA6D-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6
2.5°	3228.8	3238.2	3233.5	3233.5	3247.7	3257.1	3261.8	3309.1	3290.2	3304.3	3290.2
5°	3238.2	3238.2	3247.7	3238.2	3247.7	3238.2	3247.7	3233.5	3247.7	3257.1	3271.3
7.5°	3219.4	3209.9	3195.8	3195.8	3191.0	3181.6	3167.4	3205.2	3186.3	3200.5	3224.1
10°	3224.1	3209.9	3162.7	3172.2	3129.7	3129.7	3139.1	3139.1	3181.6	3228.8	3243.0
12.5°	3224.1	3195.8	3181.6	3120.2	3120.2	3125.0	3148.6	3158.0	3186.3	3205.2	3252.4
15°	3224.1	3209.9	3186.3	3106.1	3125.0	3115.5	3139.1	3139.1	3200.5	3233.5	3257.1
17.5°	3243.0	3252.4	3209.9	3134.4	3139.1	3158.0	3143.8	3158.0	3233.5	3257.1	3290.2
20°	3247.7	3209.9	3195.8	3148.6	3191.0	3181.6	3176.9	3205.2	3228.8	3271.3	3309.1
22.5°	3238.2	3252.4	3195.8	3191.0	3228.8	3247.7	3257.1	3224.1	3252.4	3280.7	3313.8
25°	3318.5	3266.6	3252.4	3243.0	3261.8	3280.7	3271.3	3299.6	3299.6	3332.7	3375.1
27.5°	3535.6	3540.4	3512.0	3398.7	3361.0	3318.5	3337.4	3412.9	3502.6	3573.4	3587.6
30°	3634.8	3653.6	3729.2	3710.3	3696.1	3710.3	3705.6	3724.5	3733.9	3738.6	3724.5
32.5°	3724.5	3715.0	3682.0	3766.9	4045.4	4257.9	4054.9	3776.4	3715.0	3696.1	3715.0
35°	4050.2	4050.2	3979.4	3870.8	4017.1	4069.0	3974.6	3842.5	3918.0	4073.8	4083.2
37.5°	4470.3	4408.9	4437.2	4423.1	4262.6	4149.3	4314.5	4399.5	4413.6	4408.9	4456.1
40°	4720.5	4678.0	4635.5	4711.0	4857.4	4961.2	4814.9	4611.9	4663.8	4767.7	4725.2
42.5°	5291.7	5183.1	5192.5	5117.0	5112.3	5079.2	5046.2	5060.3	5135.9	5253.9	5272.8
45°	5877.0	5928.9	5895.9	5754.3	5820.3	5820.3	5725.9	5796.7	5834.5	5971.4	5990.3
47.5°	6792.8	6769.2	6783.3	6655.9	6651.1	6684.2	6651.1	6655.9	6773.9	6764.4	6712.5
50°	7864.3	7930.4	7949.3	7887.9	7812.4	7798.2	7746.3	7812.4	7883.2	7887.9	7845.4
52.5°	9346.5	9417.3	9417.3	9436.2	9530.6	9483.4	9474.0	9478.7	9341.8	9247.4	9294.6
55°	11215.8	11239.4	11319.7	11484.9	11772.9	11810.6	11631.2	11551.0	11300.8	11149.8	11267.8
57.5°	13061.6	13156.0	13377.8	13807.4	14161.4	14548.5	14029.2	13500.6	13009.6	12768.9	12811.4
60°	14595.7	14732.6	15157.4	15756.9	16738.8	17092.8	16214.8	15308.5	14312.5	13576.1	13873.5
62.5°	15317.9	15530.4	15889.1	17102.3	18575.1	19084.9	17796.2	16148.7	14638.2	13930.1	13916.0
64°	15322.7	15355.7	16073.2	17380.8	18896.1	19882.6	18178.5	16148.7	14718.4	13845.2	14005.6
65°	15006.4	15143.3	15837.2	17125.9	18693.1	19948.7	18046.4	15926.9	14388.0	13708.3	13783.8
67.5°	13571.4	13566.6	14208.6	15487.9	17664.0	19198.2	16922.9	14685.4	13571.4	12835.0	12924.7
70°	10295.4	10460.6	11074.2	12646.2	15284.9	16927.6	14798.7	12480.9	11093.1	10503.1	10470.0
72.5°	6160.2	6377.4	7161.0	9077.5	11872.0	13868.8	11744.5	9233.2	7562.2	6627.5	6651.1
75°	2808.7	2969.2	3507.3	5069.8	7911.5	10139.6	7958.7	5338.9	3828.3	3233.5	3148.6
77.5°	788.3	887.4	1184.8	2327.2	4342.8	6080.0	4465.6	2572.7	1671.0	1387.8	1359.5
80°	354.0	372.9	420.1	566.5	1378.4	2681.2	1845.7	944.1	627.8	519.3	495.6
82.5°	193.5	207.7	273.8	292.7	391.8	712.8	608.9	443.7	377.6	302.1	292.7
85°	108.6	113.3	155.8	155.8	188.8	207.7	221.9	236.0	231.3	169.9	165.2
87.5°	33.0	37.8	47.2	47.2	47.2	47.2	75.5	103.9	113.3	80.2	80.2
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)