

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: PORTFOLIO

Report Number: P250886

Luminaire Tested: **LD8B60D010 ER8B609730 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B609730 8LBS0LI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5179.0 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

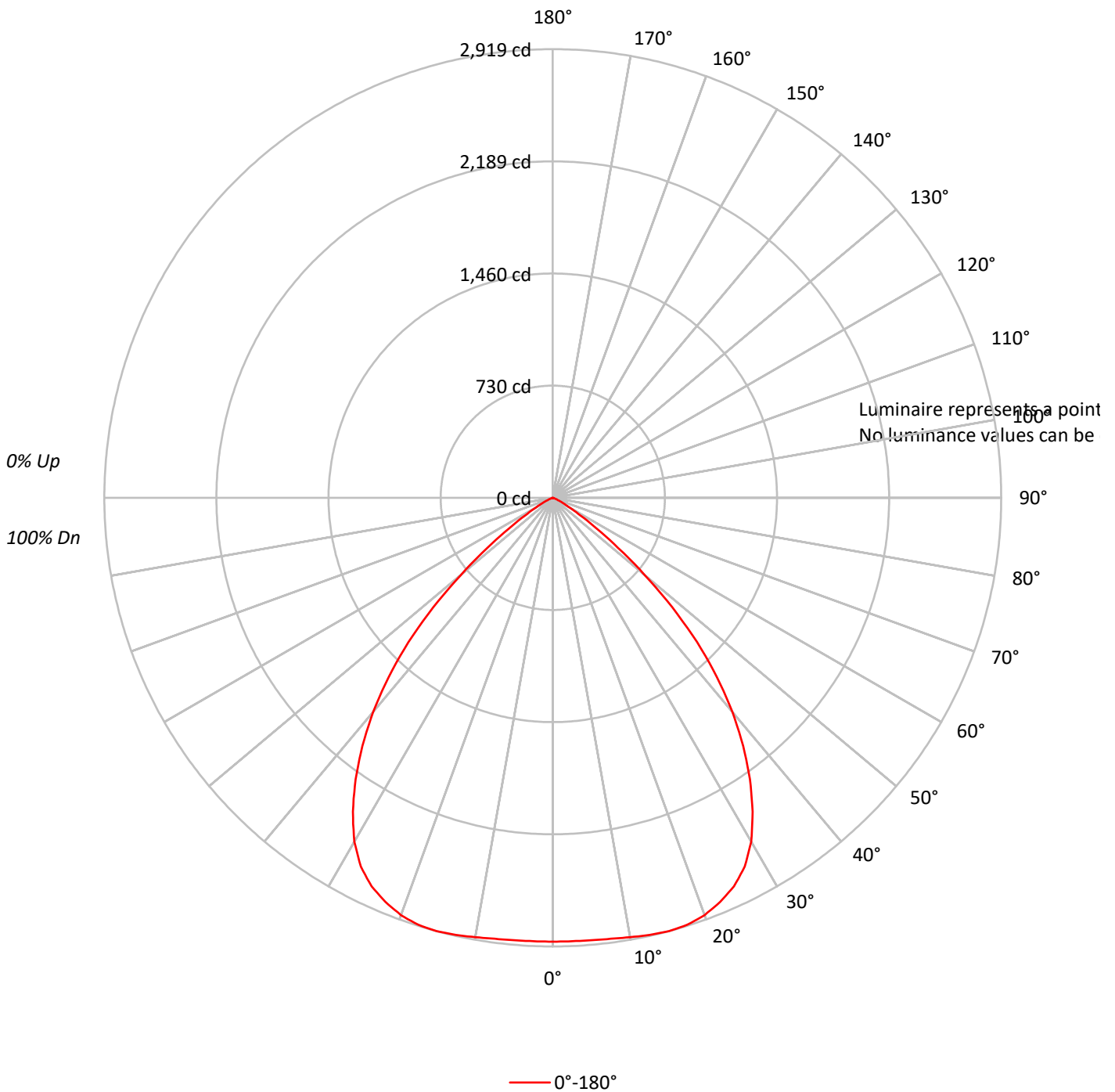
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250886

CATALOG NUMBER: LD8B60D010 ER8B609730 8LBSOLI

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.2	5.3
10°-20°	824.8	15.9
20°-30°	1277.7	24.7
30°-40°	1387.6	26.8
40°-50°	1008.3	19.5
50°-60°	342.7	6.6
60°-70°	54.6	1.1
70°-80°	5.9	0.1
80°-90°	1.2	0.0
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°-30°	2378.7	45.9
0°-40°	3766.3	72.7
0°-60°	5117.3	98.8
0°-90°	5179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5179.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2888	
5°	2889	276
15°	2919	825
25°	2790	1278
35°	2237	1388
45°	1328	1008
55°	349	343
65°	48	55
75°	4	6
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2887.6
2.5°	2887.6
5°	2889.1
7.5°	2893.5
10°	2902.4
12.5°	2912.8
15°	2918.8
17.5°	2912.8
20°	2889.1
22.5°	2846.0
25°	2789.5
27.5°	2704.9
30°	2583.1
32.5°	2421.2
35°	2237.0
37.5°	2036.5
40°	1818.1
42.5°	1581.9
45°	1327.9
47.5°	1054.6
50°	782.8
52.5°	536.2
55°	349.1
57.5°	212.4
60°	127.7
62.5°	78.7
65°	47.5
67.5°	26.7
70°	11.9
72.5°	7.4
75°	4.5
77.5°	3.0
80°	3.0
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)