

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: P250982

Luminaire Tested: **LD8B60D010 ER8B60930 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60930 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5075.9 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

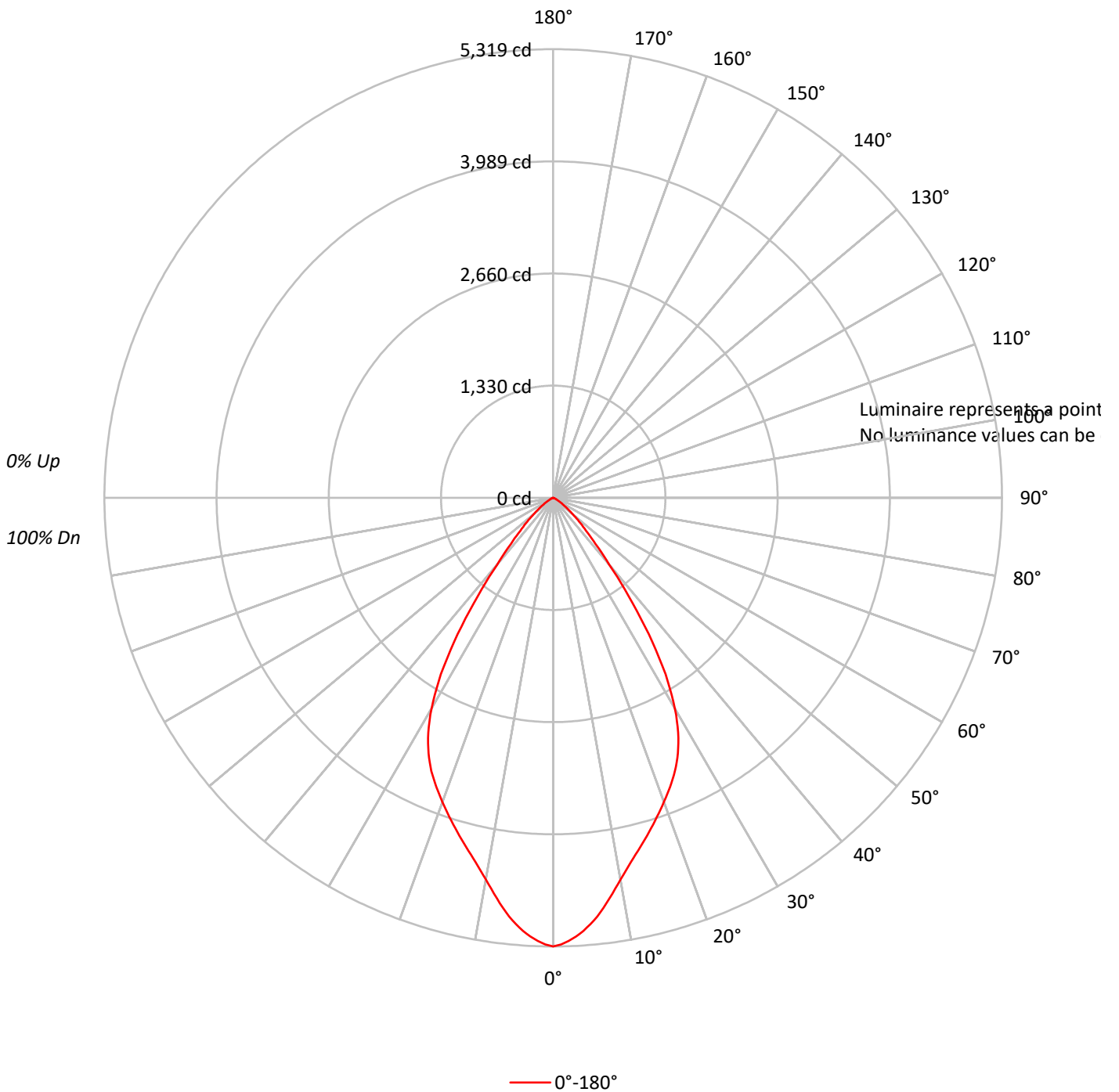
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.5	9.2
10°-20°	1179.2	23.2
20°-30°	1573.4	31.0
30°-40°	1212.8	23.9
40°-50°	452.2	8.9
50°-60°	147.9	2.9
60°-70°	34.1	0.7
70°-80°	6.9	0.1
80°-90°	1.0	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°	3221.1	63.5
0°-40°	4433.9	87.4
0°-60°	5034.0	99.2
0°-90°	5075.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5075.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5319	
5°	5074	468
15°	4195	1179
25°	3463	1573
35°	1973	1213
45°	549	452
55°	155	148
65°	30	34
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5318.8
1°	5295.8
2°	5257.0
3°	5207.3
4°	5146.6
5°	5073.9
6°	4991.5
7°	4896.9
8°	4796.2
9°	4691.9
10°	4596.1
11°	4504.0
12°	4417.9
13°	4339.1
14°	4266.2
15°	4194.7
16°	4121.9
17°	4051.6
18°	3978.9
19°	3907.2
20°	3838.2
21°	3766.6
22°	3697.5
23°	3624.8
24°	3548.3
25°	3463.4
26°	3370.1
27°	3266.9
28°	3153.0
29°	3025.7
30°	2886.2
32.5°	2477.5
35°	1973.1
37.5°	1461.3
40°	1034.5
42.5°	741.0
45°	549.4
47.5°	413.5
50°	305.6
52.5°	218.3
55°	155.3
57.5°	106.7
60°	70.3
62.5°	46.1
65°	30.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	20.6
70°	13.3
72.5°	8.5
75°	6.1
77.5°	3.6
80°	2.5
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)