

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: P250932

Luminaire Tested: **LSR8B60D010 EC8B60927 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60927 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4897.2 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

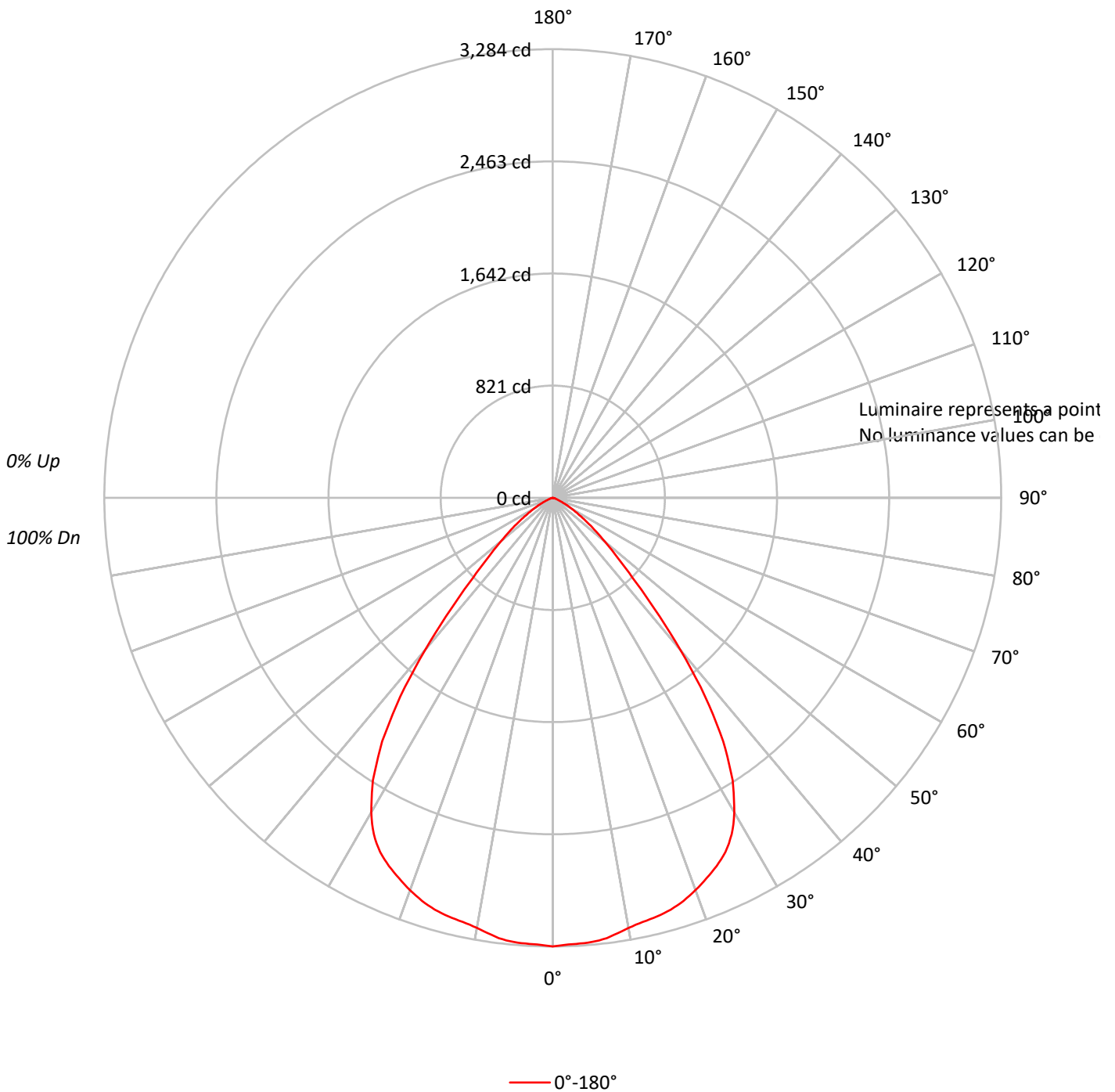
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.4	6.3
10°-20°	887.9	18.1
20°-30°	1336.2	27.3
30°-40°	1322.8	27.0
40°-50°	672.2	13.7
50°-60°	270.8	5.5
60°-70°	82.0	1.7
70°-80°	14.2	0.3
80°-90°	1.8	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°	2533.4	51.7
0°-40°	3856.3	78.7
0°-60°	4799.3	98.0
0°-90°	4897.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4897.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3284	
5°	3264	309
15°	3148	888
25°	2919	1336
35°	2177	1323
45°	824	672
55°	292	271
65°	75	82
75°	11	14
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3283.8
1°	3276.7
2°	3270.9
3°	3269.6
4°	3268.1
5°	3263.8
6°	3258.2
7°	3246.9
8°	3230.0
9°	3214.4
10°	3197.4
11°	3183.2
12°	3173.3
13°	3166.2
14°	3157.8
15°	3147.9
16°	3135.2
17°	3119.5
18°	3101.2
19°	3079.9
20°	3055.8
21°	3030.4
22°	3004.9
23°	2978.0
24°	2949.6
25°	2918.6
26°	2884.6
27°	2840.7
28°	2789.8
29°	2728.9
30°	2658.2
32.5°	2451.5
35°	2176.9
37.5°	1834.3
40°	1452.1
42.5°	1097.0
45°	823.7
47.5°	629.9
50°	494.0
52.5°	383.6
55°	291.6
57.5°	216.6
60°	162.8
62.5°	116.1
65°	75.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	46.7
70°	29.7
72.5°	18.4
75°	11.4
77.5°	7.1
80°	4.3
82.5°	2.8
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)