

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: P249942

Luminaire Tested: **LSR8B150D010 EC8B150927 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150927 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG 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: 12349.1 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

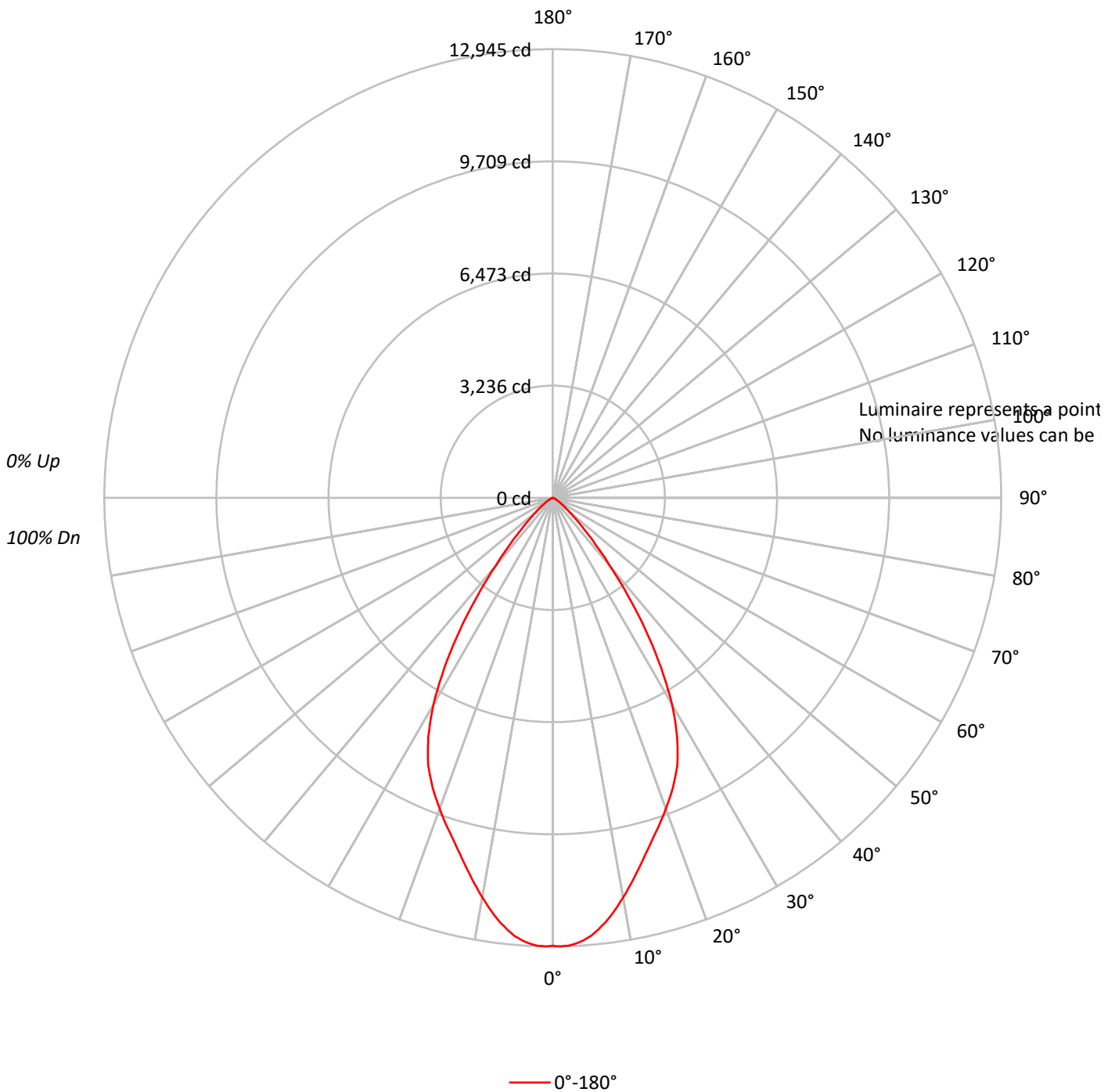
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	108	105	111	108	106	104	104	102	101		100	99	98		97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76		83	79	76		81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60		68	64	60		67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56		64	60	56		63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53		61	56	52		60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49		57	53	49		57	52	49	48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1178.4	9.5
10°-20°	2964.8	24.0
20°-30°	3848.9	31.2
30°-40°	2905.1	23.5
40°-50°	1063.0	8.6
50°-60°	297.1	2.4
60°-70°	78.1	0.6
70°-80°	13.1	0.1
80°-90°	0.5	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°	7992.1	64.7
0°-40°	10897.2	88.2
0°-60°	12257.4	99.3
0°-90°	12349.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12349.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12926	
5°	12687	###
15°	10538	2965
25°	8508	3849
35°	4691	2905
45°	1275	1063
55°	304	297
65°	73	78
75°	12	13
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12925.6
1°	12944.8
2°	12929.4
3°	12879.3
4°	12794.6
5°	12686.7
6°	12528.9
7°	12355.5
8°	12155.3
9°	11935.7
10°	11704.6
11°	11473.5
12°	11234.8
13°	10992.2
14°	10761.1
15°	10537.6
16°	10325.8
17°	10121.7
18°	9936.8
19°	9744.3
20°	9547.9
22.5°	9058.7
25°	8507.9
27.5°	7780.0
30°	6894.1
32.5°	5827.3
35°	4691.1
37.5°	3581.9
40°	2584.4
42.5°	1829.5
45°	1274.9
47.5°	897.4
50°	604.7
52.5°	442.9
55°	304.3
57.5°	219.5
60°	146.4
62.5°	107.9
65°	73.1
67.5°	50.1
70°	27.0
72.5°	19.2
75°	11.6
77.5°	3.8
80°	3.8



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)